

Title (en)

Intake device for an internal combustion engine

Title (de)

Luftansaugeinrichtung eines Verbrennungsmotors

Title (fr)

Dispositif d'admission d'air pour un moteur à combustion interne

Publication

EP 1408228 A1 20040414 (EN)

Application

EP 03022867 A 20031008

Priority

JP 2002296629 A 20021009

Abstract (en)

An engagement structure, provided between a throttle body (1) and a pipe, includes a protrusion and a recess. The detachment of the throttle body and pipe from each other is resisted when the protrusion and recess are engaged with each other. The pipe forms a linking passage linked with an intake passage.

IPC 1-7

F02M 35/10; **F02D 9/10**

IPC 8 full level

F02D 9/10 (2006.01); **F02M 35/10** (2006.01); **F16K 27/08** (2006.01); **F16K 31/04** (2006.01)

CPC (source: EP KR US)

F02D 9/1035 (2013.01 - EP US); **F02M 35/10** (2013.01 - KR); **F02M 35/10085** (2013.01 - EP US); **F02M 35/10144** (2013.01 - EP US); **F02M 35/10249** (2013.01 - EP US); **F02M 35/10255** (2013.01 - EP US); **F02M 35/10347** (2013.01 - EP US); **F16K 27/08** (2013.01 - EP US); **F16K 31/043** (2013.01 - EP US); **F02D 9/107** (2013.01 - EP US); **F02D 9/108** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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EP 1408228 A1 20040414; **EP 1408228 B1 20061213**; DE 60310330 D1 20070125; DE 60310330 T2 20070712; JP 2004132233 A 20040430; JP 3968290 B2 20070829; KR 100588903 B1 20060609; KR 20040032772 A 20040417; US 2004123835 A1 20040701; US 7128038 B2 20061031

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